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2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



# JVS

VERTICAL  
OPENWELL PUMPS



**KIRLOSKAR BROTHERS LIMITED**

A Kirloskar Group Company

Established 1888

# KIRLOSKAR PUMPS

## TECHNICAL SPECIFICATION

Head	:	Upto 147 meters
Capacity	:	Upto 840 LPM / 50 m <sup>3</sup> /hr
Power Ratings	:	2.2 to 15 kW / 3 to 20 HP
Voltage Range	:	200 to 440 Volts (Three Phase)*
Insulation	:	B Class
Protection	:	IP 68

\*Under ideal condition with suitable cable size.

## MATERIAL OF CONSTRUCTION

	JVS	JVSN
Impeller	: Stainless Steel	Cast Iron
Outlet (NRV Body)	: Cast Iron	Cast Iron
Motor Body	: Mild Steel	Cast Iron
Pump Shaft	: Stainless Steel	Stainless Steel

## APPLICATIONS

- Irrigation in (horticulture & agriculture)
- Sprinkler and drip irrigation
- Water supplies for high rise buildings
- Rural water supply
- Domestic and community water supply

## FEATURES

### Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 200 to 440 volts and reduces motor burning in low voltage.

### Design to Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

### High Efficiency And Energy Saving Design

Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

### Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

### Advanced Water Cooled Motors Designs

The motor is filled with potable water, protects from overheating and facilitates smoother and trouble free operation for the years.

### Wide Voltage Motor Designs With Copper Rotor

Motors are designed with extra overload capacities, more water spaces and engineered with 99.9% Electro Grade Copper performs well in low voltage with minimum discharge drops and suitable for wide voltage applications.

### Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

### High Head Applications

The pump has been designed to deliver large volumes of water for high head applications, helping customers to achieve high turnaround time and productivity.

PERFORMANCE CHART FOR 'JVS' SERIES, 2 POLE, MULTISTAGE VERTICAL OPENWELL SUBMERSIBLE PUMPS, AT RATED VOLTAGE OF 415 VOLTS, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

Sr. No.	PUMP MODEL	MOTOR RATING		NO. OF STAGES	OUTLET SIZE (mm)	FULL LOAD CURRENT (Amps)	LPM	120	240	360	480	600	720	840
		kW	HP					m <sup>3</sup> /hr	7	14	22	29	36	43
1	JVSA 0502	3.7	5	2	80	10	HEAD IN METERS	37	35	34	31	25	16	7
2	JVSA 0803	5.5	7.5	3	80	14.5		55	53	51	46	37	24	10
3	JVSA 1004	7.5	10	4	80	19.5		73	71	68	61	49	32	13
4	JVSA 1305	9.3	12.5	5	80	25		92	88	85	77	62	40	17
5	JVSA 1506	11	15	6	80	29		110	106	102	92	74	48	20
6	JVSA 2008	15	20	8	80	39		147	141	136	123	99	64	27
							LPM	120	180	240	300	360	420	480
							m <sup>3</sup> /hr	7	11	14	18	22	25	29
7	JVSC 0302	2.2	3	2	80	6.5	HEAD IN METERS	35	34	32	29	25	20	14
8	JVSC 0503	3.7	5	3	80	10		53	51	48	44	38	30	21
9	JVSC 0805	5.5	7.5	5	80	14.5		88	85	80	73	63	50	35
10	JVSB 1007	7.5	10	7	80	19.5		119	115	109	98	84	65	42
							LPM	120	240	360	420	480	600	720
							m <sup>3</sup> /hr	7	14	22	25	29	36	43
11	JVSD 0804	5.5	7.5	4	80	14.5	HEAD IN METERS	77	73	65	60	54	39	20
12	JVSD 1005	7.5	10	5	80	19.5		96	91	81	75	68	49	25
13	JVSD 1306	9.3	12.5	6	80	25		116	109	98	90	81	59	30
14	JVSD 1507	11	15	7	80	29		135	127	114	105	95	68	35
Sr. No.	PUMP MODEL	MOTOR RATING		NO. OF STAGES	OUTLET IN mm	FULL LOAD CURRENT (Amps)	LPM	180	300	420	540	660	780	840
		kW	HP				m <sup>3</sup> /hr	11	18	25	32	40	47	50
1	JVSA-0502N	3.7	5	2	65	10	HEAD IN METERS	45	43	40.5	36	30	23	18.5
2	JVSA-0803N	5.5	7.5	3	65	14.5		65.5	61.5	57	51.25	41.5	31	24.5

### Note:

1. Performance applicable to liquid of specific gravity 1 and viscosity as of water.
2. Vertical Openwell Submersible(JVS) Pump at 50 Hz frequency and 415 rated Voltage.

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Service Toll-Free No.

**1800 103 4443**